

# AUSTRALIAN BUREAU OF STATISTICS CANBERRA EMBARO

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# MULTIPLE JOBHOLDING, AUGUST 1973

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#### **EXPLANATORY NOTES**

#### Latroduction

In August 1973 a survey, based on the quarterly population survey, was conducted throughout Australia in order to obtain information about the nature and extent of multiple jobholding. A preliminary statement containing a summary of the results of the survey was published on 22 May 1974 (Reference No. 6.39). This bulletin provides estimates in greater detail. The results of a previous survey were published in *Multiple Jobholding, May 1971* (Reference No. 6.10). Similar surveys were conducted in November 1965, August 1966 and August 1967.

## The population survey

2. The sample is based on a multi-stage area sample of private dwellings (houses, flats, etc.) and non-private dwellings (hotels, motels, etc.) and covers about two-thirds of one per cent of the population of Australia. In August 1973 about 30,000 private dwellings were included in the sample. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers, the interviews being carried out during a four-week period.

#### Scope

3. The estimates relate to all persons aged 15 years and over, except members of the permanent armed forces, national servicemen enlisted in the Regular Army Supplement and certain diplomatic personnel customarily excluded from census and estimated populations. Persons who were patients in hospitals and sanitoria, or inmates of gaols, reformatories, etc., and for whom, for the purpose of the survey, the institution was regarded as their dwelling, were excluded from the survey (i.e. questions were asked only in respect of the non-institutional population).

#### **Definitions**

4. Persons were classified as *multiple jobholders* if, during the survey week, they

- (a) worked in a second job or held a second job from which they were temporarily absent, and
- (b) were employed in at least one of their jobs as a wage or salary earner. Work as an unpaid family helper or service in the reserve defence forces was not regarded as a second job. Persons who by the nature of their employment worked for more than one employer, e.g. domestics, odd-job men, baby-sitters, etc., were not counted as multiple jobholders unless they also held another job of a different kind; nor were those who worked for more than one employer solely by reason of changing jobs during the survey week.
- 5. The main job was defined as the job at which most hours were worked during survey week or, where an equal number of hours were worked at two or more jobs during survey week, the job considered by the respondent to be the main job. The second job was defined to include all remaining jobs. It should be noted that the definition of main job and second job was based on activity during survey week the week prior to that in which respondents were interviewed. Thus for a person who was absent (for example, on leave) from his main job but worked in his usual second job the latter would have been recorded as the main job, and the former as the second job for the purposes of the survey.
- 6. The *labour force* comprises all persons who, during the survey week, were employed or unemployed, according to the definitions customarily used in the population survey. Classification of employed persons by industry and occupation is according to the industry and occupation of the main job. For detailed definitions see *The Labour Force* (Reference No. 6.20).

NOTE. Any discrepancies between totals and sums of components in tables are due to rounding.

TABLE 1. – MULTIPLE JOBHOLDERS (a): PROPORTION OF PERSONS IN THE LABOUR FORCE (b)
WHO HELD A SECOND JOB, BY OCCUPATION OF MAIN JOB (c)
(Per cent)

Occupation group of main job (c)	August 1966	August 1967		May 1971	August 1973
Professional and technical	4.1	4.4		5.0	(d)4.7
Administrative, executive and managerial Clerical	2.8	2.8	1.5 2	3.6	3.2
Sales	2.9	2.4		4.0	3.1
Farmers, fishermen, timbergetters, etc.	4.7	4.2	10.4	3.7	4.7
Transport and communication	3.6	3.6	10.2	4.3	3.5
Tradesmen, production-process workers	I TAKE	83.6	20.7		
and labourers, n.e.c. (e)	2.5	2.4		3.2	2.7
Service, sport and recreation	2.7	2.2	13.6	2.7	3.1
Total persons	3.1	2.9	24.8	3.6	(d)3.3
Males	3.8	3.6	-	4.4	(d)3.9
Females	1.4	1.3		2.1	(d)2.1

<sup>(</sup>a) Non-institutional civilians aged 15 years and over. For definition see page 2, paragraph 4. (b) Multiple jobholders in each group as a percentage of the civilian labour force in the same group. (c) For definition see page 2, paragraph 5. (d) Labour force figures for August 1973 exclude trainee teachers, some of whom were classified as in the labour force for the earlier periods shown in the table. (e) Includes miners, quarrymen and related workers.

TABLE 2. – MULTIPLE JOBHOLDERS (a): OCCUPATIONAL STATUS IN MAIN AND SECOND JOBS (b), AUGUST 1973

('000)

A AFRICAGO COTO		Oc	cupational sta	itus in secon	d job (b)	LDERE (a)	PLE TORHO	TETUM - A	TABLE
Occupational		Employer or self-employed		ebičidot s	Wage or salary earner		Total		
status in main job (b)	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
many discount in (s) and	D00230	1890 30Q	ALL MULT	TIPLE JOBH	OLDERS	per cent			
Employer or self-employed	10007	force (b).	(000,)	17.2	(000,)*	20.2	17.2	*	(c)20.2
Wage or salary earner	48.7	5.0	53.7	84.0	32.4	116.4	132.7	37.3	(d)170.1
Total (e)	48.7	5.0	53.7	101.3	35.5	136.9	150.1	40.5	190.6
* .04 12.8	PERSON	S WHO ACTU	ALLY WORL	KED IN SEC	COND JOB (b)	IN SURVEY	WEEK	. br	and Ireland to the construction
Employer or self-employed			-	13.5	*	15.0	13.5	*	15.0
Wage or salary earner	36.5	*	39.9	68.5	24.3	92.8	105.0	27.7	132.7
Total (e)	36.5		39.9	82.0	25.8	107.8	118.5	29.3	147.7

<sup>(</sup>a) Non-institutional civilians aged 15 years and over. For definition see page 2, paragraph 4. (b) For definition see page 2, paragraph 5. (c) Represents 2.6 per cent of total employers and self-employed. (d) Represents 3.5 per cent of total wage and salary earners. (e) Includes unpaid family helpers.

(a) Non mediturional civilians aged 13 years and over. For definition occ page 2, paragraph 4. (b) Mutriple jobnoted

<sup>\*</sup> Less than 4,000. See page 8, paragraph 3.

TABLE 3. - MULTIPLE JOBHOLDERS (a): OCCUPATIONAL STATUS IN SECOND JOB (b) AND MARITAL STATUS CAPITAL CITIES AND OTHER AREAS, AUGUST 1973

		Capital cities	(c)	Other areas			Total		
in second job (b)	Married	Married Not married (d) Total		Married	Not married (d)	Total	Married	Not married (d)	Total
	1187			'000	A CONTRACTOR OF THE CONTRACTOR			The state of the s	
			4.4						
Employer or self-employed									
Persons	17.7	4.1	21.8	27.4	4.5	31.9	45.1	8.6	53.7
Wage or salary earner									
Males	48.7	10.4	59.1	33.4	8.9	42.2	82.1	19.3	101.3
Females	14.2	10.2	24.4	7.8		11.1	22.0	13.5	35.5
Persons	62.9	20.7	83.6	41.1	12.2	53.3	104.0	32.8	136.9
			2.4						
Total									
Males	64.2	13.6	77.8	59.2	13.0	72.3	123.5	26.6	150.1
Females	16.4	11.2	27.6	9.3		12.9	25.7	14.8	40.5
Persons	80.6	24.8	105.4	68.5	16.6	35.1	149.2	41.4	190.6
				per cent	- 25.6	19.3	35	120	
Proportion of labour force	e (e)					ged 15 year			
Males	3.8	2.1	3.3	5.6	3.2	4.9	4.5	2.5	3.9
Females	2.0	2.3	2.1		BL CIL ST DOOLSESS Y	2.1	2.2	2.1	2.1
Persons	3.2	2.1	2.9		2.7	4.1	3.8	2.3	3.3

<sup>(</sup>a) Non-institutional civilians aged 15 years and over. For definition see page 2, paragraph 4. (b) For definition see page 2, paragraph 5. (c) Statistical Divisions of the six State capital cities as defined in Census of Population and Housing, 30 June 1971 — Field Count Statement Nos, 3 to 8. (d) Never married, widowed and divorced. (e) Multiple jobholders in each group as a percentage of the civilian labour force in the same group.

TABLE 4. - MULTIPLE JOBHOLDERS (a): BIRTHPLACE AND PERIOD OF ARRIVAL IN AUSTRALIA, AUGUST 1973

		70.0	All multiple	e jobholders		self-employee or				
	Males		Fer	nales	Per Per	Persons Pe		Persons who actually worked in a second job (c) in survey week		
Community areas of Entertainment, recreation, and personal services Other industries *	('000)	per cent of labour force (b)	('000)	per cent of labour force (b)	(000°)	per cent of labour force (b)	Males ('000)	Females ('000)	Persons ('000)	
Born in Australia	119.1	4.3	31.5	2.2	150.6	3.6	93.4	23.2	116.6	
Born outside Australia -					1.65°F	0.8				
U.K. and Ireland	11.7	3.0	4.4	2.3	16.0	2.8	9.9	*	12.8	
Other countries	19.3	2.9	4.6	1.5	23.9	2.4	15.1		18.3	
N. S.	100			13.5						
Arrived in Australia	-0.201			68.5			36.5			
Before 1955	11.6	3.2	*	*	14.5	2.9	9.8	*	11.9	
1955-1961	7.9	3.4	035		9.6	2.7	6.2		7.5	
1962-1966	4.8	2.9	0,00	*	7.4	2.9	4.1		5.5	
1967 to August 1973	6.7	101 (2.2 dgar	anali ar ogo	q sea hoisini	8.5	1.8	4.9	likes, latoinni	6.3	
Total born outside Australia	31.0	2.9	9.0	1.8	40.0	2.6	25.0	6.1	31.1	
Total	150.1	3.9	40.5	2.1	190.6	3.3	118.5	29.3	147.7	

<sup>(</sup>a) Non institutional civilians aged 15 years and over. For definition see page 2, paragraph 4. (b) Multiple jobholders in each group as a percentage of the civilian labour force in the same group. (c) For definition see page 2, paragraph 5.

<sup>\*</sup>Less than or based on a figure less than 4,000. See page 8, paragraph 3.

<sup>\*</sup> Less than or based on a figure less than 4,000 See page 8, paragraph 3.

TABLE 5. - MULTIPLE JOBHOLDERS (a): AGE AND MARITAL STATUS, AUGUST 1973

	20 and over	75-19	10-14	Age gro	oup (years)	8 3 E E E E E		
		15-19	20-24	25-34	35.44	45-54	55 and over	Total
33.6	38	4.2 eac	5.6	·000	1,2903	77	d retail trade	ma athadonW
25.3				1.0		7.6		
Married -								
Males		*	11.8	45.3	33.5	22.9	9.8	123.5
Females	4.4	1.8 .	1.8	9.4	7.4	* 11.2	*	25.7
Persons		* 6.4	14.9	54.7	40.8	26.8	11.4	149.2
Not married (b) -	Antonian .			5.0	8.8.			
Males	opinenanes.	5.6	9.9	5.4		E.A. *	*	26.6
Females	BRETION INDEXES	5.0	4.0	8.5				14.8
Persons		10.6	13.9	7.8	4.4		-radmin mamra	41.4
		4.4		5.9	* 4-0	AT The		
Total -						C 2 (6)	o a n assuncibi b	
Males	4.5	5.8	21.7	50.6	36.7	24.1	11.1	150.1
Females		5.2	7.1	11.8	8.5	5.2		40.5
Persons		11.1	28.8	62.5	45.2	29.3	13.7	190.6
	28.1	19,3		1.64				
			white estab	per cent				
				Schrides 10.78				
- Proportion of 1	abour force (c)	of who poot, St a		gramay bus mor				
Males	when twhen	1.7	4.3	5.4	4.9	3.4	1.9	3.9
Females		1.7	2.1	2.9	2.3	1.6	*	2.1
Persons		1.7	3.4	4.6	4.0	2.8	1.9	3.3

<sup>(</sup>a) Non-institutional civilians aged 15 years and over. For definition see page 2, paragraph 4. (b) Never married, widowed and divorced. (c) Multiple jobholders in each group as a percentage of the civilian labour force in the same group.

TABLE 6. - MULTIPLE JOBHOLDERS (a): HOURS WORKED IN MAIN AND SECOND JOBS (b), AUGUST 1974 ('000)

U.S. Carrier and C	16 10 100		(000)			tons state and	Total number					
T. State of the state of the	5.8	Hours worked in second job (b)										
2.3 4.1	1.50	1-4	5-9	10-14	15-19	20 and over	of multiple jobholders (a)					
Hours worked in main job (b)	1.5	0.11	5.1		State of the		rose hancement but					
0	0.8.2	8.7		1.3			8.2					
1-15	5.3						11.7					
16-29	4.1	8.6	8.0	4.9		5.6	17.4					
30-34	di lo) el or defini		c aged age mult				12.8					
35-39		6.1	5.1	4.1	rateriasonom w w	admin man man	22.2					
40	10.3	8.3	18.2	12.3	7.2	14.1	70.4					
41-48	4.9 1		6.6	de paren 8 esse a	than 4,000. Se	ſ 4.1	24.8					
49 and over	5.9	6.9	5.7	5.5	5.6	13 (	23.1					
Total persons	42.8	29.9	43.7	26.8	19.3	28.1	190.6					
Males	31.6	21.3	35.0	211	16.0	25.0	150.1					
Females	11.2	8.5	8.8	57		Cristantica erace	40.5					

<sup>(</sup>a) Non-institutional civilians aged 15 years and over. For definition see page 2, paragraph 4. (b) For definitions see page 2, paragraph 5.

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(a) See note (a) to Table 3. (b) For definition see page 2, paragraph 5. (c) See note (c) to Table 8. (d) includes miners, quarrymen and related

<sup>\*</sup> Less than or based on a figure less than 4,000. See page 8, paragraph 3.

<sup>\*</sup> Less than 4,000. See page 8, paragraph 3.

TABLE 7. – MULTIPLE JOBHOLDERS (a): INDUSTRY AND OCCUPATION OF SECOND JOB (b) AND HOURS WORKED, AUGUST 1973 ('000)

EVERS IN MINISTERN	DUA, BUTA	ergailtean c	Hours worked	d in second job	(b)		Total number
	0	1-4	5-9	10-14	15-19	20 and over	of multiple jobholders (a)
Industry of second job (b)	22.28	35.55	M-SE.	20.24	15:19		
Agriculture	6.4	Tal felt - *	5.7	6.2	4.2	9.5	33.6
Wholesale and retail trade	7.2	5.1	7.2	4.6	*	*	29.9
Community services	9.4	8.0	4.1	*	*	*	25.4
Entertainment, recreation, restaurants, hotels and				8.11			– boista Males
personal services	8.6	10.4	15.2	8.1	5.1	4.4	51.8
Other	11.2	4.9	11.4	6.8	6.4	9.2	(c)49.9
Occupation of second job (b)							
Professional and technical	9.8	8.8	5.0		*		30.2
Clerical	4.3	*	4.5	. 0.0	* 5.6	*	15.2
Sales	*		5.8	0.5	0.2 51		18.3
Formers, fishermen, timber-		5.5	28	13.9	10.6		
getters, etc.	7.1	*	5.9	6.6	4.4	9.6	35.6
Tradesmen, production - proces	SS						
workers, and labouress, n.e.c. (		*	5.2	*	0.2 12.9	4.5	23.4
Service, sport and recreation	7.4	7.8	13.5	8.2	6.0	5.4	48.3
Other	4.9	*	6.11		2.6	*	(e)19.6
Total TEL	42.8	29.9	43.7	26.8	19.3	28.1	190.6

<sup>(</sup>a) See note (a) to Table 6. (b) For definition see page 2, paragraph 5. (c) Includes manufacturing 14,600; construction 8,600; transport and storage 8,000; finance, insurance, real estate and business services 13,700. (d) Includes miners, quarrymen and related workers. (e) Administrative, executive and managerial workers 7,500; transport and communication workers 12,100.

TABLE 8. - MULTIPLE JOBHOLDERS (a): INDUSTRY OF MAIN JOB (b), AUGUST 1973

el ditparentemen polentem federitem en de est de la delice en delice en delice en delice en de la delice en delice e	most aurer out up	Number ('000)	Per cer	Per cent of labour force (c)			
Industry division	Males	Females	Persons	Males	Females	Persons	
Agriculture	18.3	*	19.3	5.4	*	4.7	
Manufacturing	31.0	4.7	35.7	3.1	1.3	2.6	
Construction	14.8	BOOM BLOOM	15.7	3.1	THE PERSON	3.2	
Wholesale and retail trade	28.8	10.7	39.5	4.1	2.2	3.4	
ransport and storage	8.3		9.3	3.1	*	3.0	
inance, insurance, real estate and							
business services	12.4	4.6	16.9	5.8	2.5	4.3	
ublic administration and defence	4.9		7.4	3.2	*	3.3	
ommunity services	18.3	9.7	27.9	7.1	2.3	4.2	
ntertainment, recreation, restaurants, hotels							
and personal services	5.8	5.1	11.0	4.1	2.4	3.2	
other industries	7.3		7.8	3.0	· • W 0	2.7	
Cotal Called	150.1	40.5	190.6	3.9	2.1	3.3	

<sup>(</sup>a) Non-institutional civilians aged 15 years and over. For definition see page 2, paragraph 4. (b) For definition see page 2, paragraph 5. (c) Multiple jobholders in each group as a percentage of the civilian labour force in the same group.

TABLE 9. - MULTIPLE JOBHOLDERS (a): OCCUPATION OF MAIN JOB (b), AUGUST 1973

10.2

25.0 150 25 250 150der 260der	211	Number ('000)	212	Per cent of labour force (c)			
Occupation group	Males	Females	Persons	Males	Females	Persons	
Professional and technical	23.1	7.6	30.7	6.1	2.8	4.7	
Administrative, executive and managerial	10.3	*	11.0	3.3	1 See 100	3.2	
Clerical	14.5	14.0	28.4	4.8	2.2	3.1	
Sales	12.8	4.7	17.5	5.1	1.9	3.5	
Farmers, fishermen, timbergetters, etc.	19.7	*	20.8	5.2		4.7	
Transport and communication Tradesmen, production-process workers and	11.5	olifica sea digari	12.6	3.8		3.5	
labourers, n.e.c. (d)	51.1	*	53.5	3.0	*	2.7	
Service, sport and recreation	7.1	8.9	16.0	3.8	2.7	3.1	
Total	150.1	40.5	190.6	3.9	2.1	3.3	

<sup>(</sup>a) See note (a) to Table 3. (b) For definition see page 2, paragraph 5. (c) See note (c) to Table 8. (d) Includes miners, quarrymen and related workers.

<sup>\*</sup> Less than 4,000. See page 8, paragraph 3.

<sup>\*</sup> Less than or based on a figure less than 4,000. See page 8, paragraph 3.

<sup>\*</sup> Less than or based on a figure less than 4,000. See page 8, paragraph 3.

TABLE 10. – MULTIPLE JOBHOLDERS (a): INDUSTRY OF MAIN AND SECOND JOBS (b), AUGUST 1973 (\*000)

		n saistea	Inc	lustry division	of second job	(b)		
Industry division of main job (b)	Agriculture	Manufact- uring	Wholesale and retail trade	Finance, insurance, real estate and business services		Entertainment recreation, restaurants, hotels and personal services	Other industries	All industries
Agriculture	12.2					*	*	19.3
Manufacturing	5.4	*	7.4			10.5	***	35.7
Construction	4.8						*	15.7
Wholesale and retail								
trade	4.1	*	11.0	. *		13.0		39.5
Finance, insurance, real estate and business		and some of	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		AND DESCRIPTION		n) Seemed	
services			Section 1			7.3	HER HONELDING	16.9
Community services Entertainment, recreation, restaurants, hotels and					12.3	6.2		27.9
personal services	*	*	all	ale remains	-		*	11.0
Other industries	4.5			-		7.9	•	(c)24.4
Total persons	33.6	14.6	29.9	13.7	25.4	51.8	(d)21.6	190.6
Males	31.5	12.2	22.6	10.7	15.4	37.6	20.2	150.1
Females		*	7.4		10.0	14.2		40.5

<sup>(</sup>a) Non-institutional civilians aged 15 years and over. For definition see page 2, paragraph 4. (b) For definition see page 2, paragraph 5. (c) Includes transport and storage 9,300 and public administration and defence 7,400. (d) Includes construction 8,600 and transport and storage 8,100.

TABLE 11. – MULTIPLE JOBHOLDERS (a): PROPORTION OF TOTAL PERSONS EMPLOYED (b)
BY INDUSTRY, AUGUST 1973
(Per cent)

Industry division	Males	Females	Persons	
Agriculture	8.8	*	7.8	
Manufacturing	1.2		1.1	
Construction	1.7	*	1.7	
Wholesale and retail trade	3.2	1.6	2.5	
Transport and storage	2.9		2.6	
Finance, insurance, real estate and				
business serivces	4.9		3.4	
Community services	5.8	2.4	3.7	
Entertainment, recreation, restuarants,				
hotels and personal services	21.3	6.5	13.1	de las torinamis
Other industries	1.1	* * * * * * * * * * * * * * * * * * *	1.0	

<sup>(</sup>a) Non-institutional civilians aged 15 years and over. For definition see page 2, paragraph 4. (b) Persons with a second job in an industry division as a proportion of the number of persons with either a main or a second job in the same division.

<sup>\*</sup> Less than 4,000. See page 8, paragraph 3.

<sup>\*</sup> Based on a figure less than 4,000. See page 8, paragraph 3.

#### TECHNICAL NOTE

### **Estimation procedure**

Estimates derived from the quarterly population survey are obtained by using a ratio estimation procedure. This procedure ensures that survey estimates conform to the independently estimated distribution of the population by age and sex, rather than the age and sex distribution within the sample itself.

#### Reliability of the estimates

2. Since the estimates in this bulletin are based on a sample, they may differ from the figures that would have been obtained from a complete census using the same questionnaires and procedures. One measure of the likely difference is given by the standard error, which

indicates the extent to which an estimate might have varied by chance because only a sample and not the whole population, was enumerated There are about two chances in three that a sample estimate will differ by less than one standard error from the figures that would have been obtained from a comparable complete enumeration, and about nineteen chances in twenty that the difference will be less than two standard errors A table of standard errors which is intended to be of general application is given below. An example of the use of this table is as follows: if the estimate obtained from the sample is 100,000 the standard error is 3 per cent of the estimate, i.e. 3,000, there are about two chances in three that the true figure is between 97,000 and 103,000 and about 19 chances in 20 that this figure is between 94,000 and 106,000.

#### STANDARD ERRORS OF ESTIMATES

Size estimate (Persons)	Approximate standard error of estimates		120 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Approximate standard error of estimates	
	Persons	Per cent of estimate	Size of estimate (Persons)	Persons	Per cent of estimate
4,000	800	20.0	100,000	3,000	3.0
5,000	900	18.0	200,000	4,000	2.0
10,000	1,200	12.0	500,000	6,000	1.2
20,000	1,600	8.0	1,000,000	8,000	0.8
50,000	2,300	4.6	2,000,000	10,000	0.5

- 3. In the tables in this bulletin only estimates of 4,000 or over have been shown, as smaller estimates would be subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. Although, in some cases, figures for these small components can be derived by subtraction, they should not be regarded as reliable.
- 4. The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the numerator and the size of the denominator. Percentages calculated from figures in this bulletin have generally somewhat lower standard errors (proportionally) than

have the estimates which form the numerators of the percentages, particularly where the percentages are large.

5. The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by interviewers and respondents. Inaccuracies of this kind are referred to as the non-sampling error, and they may occur in any enumeration, whether it be a full count or only a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

J. G. MILLER
Acting Commonwealth Statistician

Australian Bureau of Statistics Canberra, A.C.T. 2600

NOTE. Inquiries concerning these statistics may be made in Canberra by telephoning Mr D. Power on 63 9111 extension 2346 or, in each State capital, by telephoning the office of the Australian Bureau of Statistics.